

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	6641	715/702 715/863 345/173 715/500 715/516 715/517	US-PGPUB; USPAT	OR	OFF	2005/05/16 16:46
L3	7	l2 and ((hperlink url) near2 table)	US-PGPUB; USPAT	OR	OFF	2005/05/16 16:37
L4	2	l2 and ((hperlink url) near2 table) and press\$2	US-PGPUB; USPAT	OR	OFF	2005/05/16 16:38
L5	107	l2 and (absolute near coordinate\$1)	US-PGPUB; USPAT	OR	OFF	2005/05/16 16:39
L6	0	l2 and (absolute near coordinate\$1) and ((hyperlink url) near table)	US-PGPUB; USPAT	OR	OFF	2005/05/16 16:49
L7	0	l2 and (absolute near coordinate\$1) and ((hyperlink url) with (table stor\$3))	US-PGPUB; USPAT	OR	OFF	2005/05/16 16:40
L8	4	l2 and (absolute near coordinate\$1) and ((hyperlink url))	US-PGPUB; USPAT	OR	OFF	2005/05/16 16:44
L9	1	((hyperlink near table) and (absolute near coordinate\$1)).clm.	US-PGPUB; USPAT	OR	OFF	2005/05/16 18:17
L10	8944	(715/702 715/760 707/513 715/863 345/173 715/500 715/516 715/517)	US-PGPUB; USPAT	OR	OFF	2005/05/16 20:40
L11	11	10 and (absolute near coordinate\$1) and ((hyperlink url) near10 (table file database stor\$3))	US-PGPUB; USPAT	OR	OFF	2005/05/16 16:49
L12	7	((opto\$touch and foil)).clm.	US-PGPUB; USPAT	OR	OFF	2005/05/16 19:42
L13	8	opto\$touch with foil	US-PGPUB; USPAT	OR	OFF	2005/05/16 18:17
L14	2011	((opto\$touch transparen\$5 illuminat\$4 opto) with (foil screen) with (page document\$1 paper)	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/16 19:45
L15	19	((opto\$touch transparen\$5 illuminat\$4 opto) with (foil screen) with (page document\$1 paper) with align\$3	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/16 20:41
L16	11160	(715/702 715/760 715/560 715/855 707/513 715/863 345/173 715/500 715/516 715/517 709/232)	US-PGPUB; USPAT	OR	OFF	2005/05/16 20:42

L17	5	16 and ((opto\$touch transparen\$5 illuminat\$4 opto) with (foil screen device)) with (page document\$1 paper) with align\$3	US-PGPUB; USPAT	OR	OFF	2005/05/16 20:42
L18	47	16 and ((opto\$touch transparen\$5 illuminat\$4 opto) with (foil screen device)) with (page document\$1 paper)	US-PGPUB; USPAT	OR	OFF	2005/05/16 20:47
L19	24	16 and (((opto\$touch transparen\$5 illuminat\$4 opto) with (foil screen device)) with (page document\$1 paper)) and coordinate\$1	US-PGPUB; USPAT	OR	OFF	2005/05/16 20:48
L20	4	16 and (((opto\$touch transparen\$5 illuminat\$4 opto) with (foil screen device)) with (page document\$1 paper)) and coordinate\$1 and (table with (url hyperlink item elemnet))	US-PGPUB; USPAT	OR	OFF	2005/05/16 20:49
L21	10	16 and (((opto\$touch transparen\$5 illuminat\$4 opto) with (foil screen device)) with (page document\$1 paper)) and coordinate\$1 and ((table database file stor\$3) with (url hyperlink item element))	US-PGPUB; USPAT	OR	OFF	2005/05/16 20:50
S1	28	hyperlink near2 table	USPAT	OR	OFF	2004/10/26 11:54
S2	9	(hyperlink near2 table) and (opto\$1touch with foil)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/26 12:01
S3	15	(opto\$1touch with foil)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/26 11:57
S4	20	(hyperlink near2 table) and ((opto touch) with (foil panel screen))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/26 12:07
S5	3	(hyperlink near5 table) and ((opto touch) with (foil panel screen))	USPAT	OR	OFF	2004/10/26 12:07
S6	52	((hyperlink url) near5 table) and ((opto touch) with (foil panel screen))	USPAT	OR	OFF	2004/10/26 12:07
S7	37	((hyperlink url) near2 table) and ((opto touch) with (foil panel screen))	USPAT	OR	OFF	2005/05/16 16:22

S8	2	((hyperlink url) near2 table) and ((url hyperlink) with (opto touch) with (foil panel screen))	USPAT	OR	OFF	2004/10/26 12:12
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Resources

United States Patent Class 345/178**Alignment or calibration capability (i.e., parallax problem)**

Class Hierarchy

345 Computer graphics processing, operator interface processing, and selective visual display systems**156** DISPLAY PERIPHERAL INTERFACE INPUT DEVICE**173** Touch panel**178** Alignment or calibration capability (i.e., parallax problem)

Patent No.	Patent Title	Issue Date	Previous
Touchscreen's CRT & LCD	position sensor	Capacitive Sensors	Membrane Key Pa
On sale starting at \$332.68 ELO, 3M Microtouch Free Delivery	Balluff tough, accurate & reliable non-contact linear positioning	Detection of metallic and non-metallic substances	Membrane Switch, Pre Design Assistance, Fast Turnaround

Ads by

6864882 Protected touch panel display system

A display screen is positioned relative to the interior side of a protective barrier. Also positioned relative to the interior side of the protective barrier are emitters adapted for emitting energy beams and detectors adapted for detecting the energy beams. The emitters and detectors are positioned relative to the interior side of the protective barrier. The emitters and detectors are positioned relative to the interior side of the protective barrier. The emitters and detectors are positioned relative to the interior side of the protective barrier.

6862019 Coordinate input apparatus, control method therefor, and computer-readable...

A signal waveform detection circuit detects the three-dimensional coordinate value of an indicating tool which is defined in the first, second, and third dimensions. An arithmetic control circuit compares the coordinate value in the first dimension of the three-dimensional coordinate value with a...

6822639 System for data transfer

A system comprising: a wireless communications system for transmitting data from a data capturing device to a data processing device. The wireless communications system has a transmitter in communication with the data capturing device and a receiver in communication with the data processing device.

6819451 Calibration of color reproduction apparatus for similar receivers from...

Reproduction apparatus is periodically calibrated using only one member of a group of receivers. A correction is applied for members of the group based on their relative differences from the one member. The one member to be calibrated periodically is designated the "key" member. Whenever a...

6819316 Flexible capacitive touch sensor

A flexible, capacitive touch sensor, and a method of manufacturing a plurality of such touch sensors, are provided. The capacitive touch sensor comprises a thin, flexible, transparent, insulating substrate. A thin, flexible, transparent layer of resistive material is applied to one side of the substrate.

6809726 Touchscreen display calibration using results history

A method for calibration of touchscreen display coordinates includes displaying a calibration target; sensing a calibration touchpoint; obtaining a calibration touchpoint coordinate for the calibration touch; determining if the calibration touchpoint coordinate is valid; and...

6784876 Coordinate reading device

A coil Y1 is mounted on the attachment panel 24 so that its long sides Y1f and Y1g follow the front surface 24n, and is bent at a first edge 24a1 onto an edge surface 24a, and is further bent at a second edge 24a onto a rear surface 24b. Even if the pen moves along an edge portion of the...

6781577 Capacitive sensor-based input device

A capacitive sensor-based input device for coordinate data input includes an input unit that detects the variation of capacitance at a plurality of detection points, and a control unit that calculates detection outputs from the plurality of detection points to determine the peak position in the...

6771283 Method and system for accessing interactive multimedia information or...

Method and system for selecting and accessing multimedia information/services located on a user workstation or on a server. The method includes touching finger items that are electronically illuminated over the surface of a hard-copy document or any other physical surface.

system includes: an opto-touch foil,...

6747636 Projection display and system with pressure sensing at screen, and computer...

An interactive display system comprising a touch sensitive display surface for sensing pressure applied thereto and in response generating control signals indicating locations of the applied pressure, a personal computer for receiving the control signals and response generating graph images,...

6727896 Correction of alignment and linearity errors in a stylus input system

A method and system for correcting alignment and linearity errors in devices using a finger or stylus input device with a display interactively coupled to a digitizer is disclosed. Touching intersections in a calibration grid on the display device may be performed to create a linearity...

6720954 Method to aid in sizing graphical user interface touch controls

A software tool acquires data on the position of touches relative to controls on a particular window or dialog box using touch controls. Subjects or users log on and the time the bring a dialog box into focus is time stamped. The coordinates of each touch recorded along with a time...

6697056 Method and system for form recognition

A method and system for automated identification of pre-printed forms, based on the location of a mark made manually on the form. The method comprises the steps of identifying the existence and location of a mark made manually on a form and identifying the printed form based on the location...

6674426 Augmenting and not replacing paper based work practice via multi-modal...

A method and system designed to augment, rather than replace, the work habits of its users. These work habits include practices as drawing on Post-it™ notes using a symbolic language. The system observes and understands the language used on the notes and the system assigns meaning...

6661408 Touch screen capable of isolating noise signals

A touch screen capable of isolating noise signals is mainly a touch screen installed at the front side of a liquid crystal display screen or cathode ray tube (CRT) for eliminating electromagnetic and radio frequency interference received by the LCD and the touch screen includes an...

6661406 Touch panel coordinate rotation device

A touch panel coordinate rotation device is provided in a touch panel device that includes a touch panel provided on the image of a display device and a coordinate detecting device for detecting the touched position on the touch panel and outputting the coordinates of the touched position....

6654007 Coordinate input and detection device and information display and input...

A coordinate input and detection device includes a touch panel, light emitting units, a reflective member, intensity distribution detection units, a coordinate detection unit, and filters. Each of light beams projected from the light emitting units travels in a sector shape in a direction...

6650791 Simultaneous registration of multiple image fragments

Method and apparatus for aligning more than two fragments of an image to assemble the image while providing high alignment between each pair of overlapping image fragments. Image registration operations are performed rapidly. The disclosed method and apparatus finds application in, for...

6606116 Methods and apparatus for assessing quality of information displays

Techniques for quantitatively assessing the visual quality of information displays are described. A group of flat panel displays is tested to produce quantitative visual test data to allow an assessment of the visual quality of each of the flat panel displays in aspect, eight key...

6593916 Touchscreen having multiple parallel connections to each electrode in a...

A resistive or capacitive position touchscreen includes a glass substrate having a uniform resistive coating and series resistors of overlapping discrete electrodes adjacent to the peripheral edges of the substrate. Gaps in an otherwise insulating linear discontinuity running parallel to...

6587099 Coordinate input/detection device detecting installation position of...

A coordinate input/detection device is provided with a coordinate input area. The coordinate input/detection device uses first and second light-emitting units to emit light to a plurality of retro reflectors provided around the coordinate input area. The plurality of retro reflectors reflect the...

6577250 Resistance based keyboard key discrimination

In place of a conventional n x m sense line/drive line matrix for keyboard key detection, discrimination between keyboard keys is carried out with one or more current divider or voltage divider circuits, with the result that the number of necessary IC pins may be reduced. The keyboard...

6567077 Touch panel

A touch panel comprises a substrate 11 allowing acoustic wave to be propagated and a transducer 13a, mounted to this substrate for transmitting or receiving the acoustic wave. A chamfered portion 16 is formed in the end face or the corner portion of the substrate to make the acoustic wave...

6563491 Coordinate input apparatus and the recording medium thereof

An apparatus that includes angle detection sections periodically detecting a point on a panel as angles. An angle storing section stores the angles detected during an immediately earlier cycle among angles periodically detected, and an angle choosing section chooses angles which are most...

6563492 Multi-function switch unit and function indicating method of the same

A multi-function switch unit having at least one operation button, a screen located at the rear of the operation button to display an image of function of the operation button. The image on the screen is visible through the operation button. An input device transfers direction and...

6531999 Pointing direction calibration in video conferencing and other camera-based...

A camera-based system implements a calibration procedure for determining, for a given system user, calibration information that characterizes the manner in which the user points within the system. The system directs the user to point separately at each of a set of two or more points at...

6507339 Coordinate inputting/detecting system and a calibration method therefor

A coordinate inputting/detecting system includes a display apparatus having a display surface, a coordinate inputting/detecting apparatus having a coordinate inputting/detecting surface arranged at the display surface of the display apparatus so as to designate a position in the display...

6501461 Retrofittable apparatus for converting a substantially planar surface into an...

A graphic data-acquisition system which employs an active tracking system provides a retrofittable apparatus for converting a substantially planar surface into an electronic data capture device, in which the components of the system are readily retrofitted at a relatively low cost, to a wide...

6492979 Dual sensor touchscreen utilizing projective-capacitive and force touch sensors

A method and apparatus for discriminating against false touches in a touchscreen system is provided. The system is designed to confirm a touch registered by one touch sensor with another touch sensor, preferably of a different sensor type, prior to activating the touch (i.e., sending touch...

6459821 Simultaneous registration of multiple image fragments

Method and apparatus for aligning more than two fragments of an image to assemble the image while providing high alignment between each pair of overlapping image fragments. Image registration operations are performed rapidly. The disclosed method and apparatus finds application in, for...

6456952 System and method for touch screen environmental calibration

A system and method compensates for drift in electronic touch screens. A plurality of touch areas and drift areas are defined on a touch screen. From location coordinates generated by the screen, a ratio between detected touch hits in each defined touch area and detected touch hits in each...

6456280 Retrofittable apparatus for converting a substantially planar surface into an...

A graphic data-acquisition system which employs an active tracking system provides a retrofittable apparatus for converting a substantially planar surface into an electronic data capture device, in which the components of the system are readily retrofitted at a relatively low cost, to a wide...

6441807 Display system

A display system includes a sheet member onto which information is input, and a position coordinate detector such as a pressure sensitive touch panel. The position coordinate detector is formed as a body separate from the sheet member and is arranged adjacent to the sheet member. It detects the...

6411285 Touch-panel input type electronic device

A displacement between an input point on a touch-sensitive panel and a display point on a display panel must be reliably corrected by a simple, inexpensive structure. A transparent touch-sensitive panel having a coordinate system formed on its surface for determining the position of a point input...

6392636 Touchpad providing screen cursor/pointer movement control

A plurality N of capacitance sensing cells are arranged in a row/column array to cooperate with a fingertip and produce a signal that controls the movement of a cursor/pointer across a display screen. The output of each individual sensing cell is connected to the corresponding...

6369803 Active edge user interface

An active edge user interface includes dynamically configurable flexible touch areas positioned near the perimeter of a display to support interactive communication between a user and a user environment for flexible active touch areas surrounding a display. The interface allows for multiple...

6366278 Camera system

A picture recording device includes at least one photodetector for each picture element to be recorded before which one for each element is arranged for forming an image of each element of the picture to be recorded on the photodetector. The picture recording device is fabricated as a thin...

6337681 Projection display system with pressure sensing at screen, and computer...

An interactive display system comprising a touch sensitive display surface for sensing pressure applied thereto and in response to the sensing generating control signals indicating locations of the applied pressure, a personal computer for receiving the control signals...

response generating graph images,...

6335724 Method and device for inputting coordinate-position and a display board system

The coordinate-position input device has a frame with a reflecting member for recursively reflecting light provided in an inner frame from four edges of the frame forming a rectangular form. Two optical units irradiate light to the reflecting members and receive reflected light. With the...

6333736 Detector constructed from fabric

The position of a mechanical interaction in a sensor constructed from fabric is detected. A substantially constant electric current is established through elements of the fabric. A first electrical potential developed in a first plane is measured in response to the current. A second electrical...

6326957 System and method for displaying page information in a personal digital notepad

System and methods for visually displaying page information in a handwriting recording device such as a personal digital notepad (PDN) device, in which constraints exist which limit the size of a user interface display (e.g. LCD). Various methods allow a user to view detailed page information by...

6304251 Coordinate input device with flat cable having two divided flat mounting...

A coordinate input device is disclosed wherein first lead-out electrode portions formed on a lower substrate and second lead-out electrode portions formed on a film substrate are connected to conductor portions, respectively, of a flat cable and are then lead out to the exterior. Therefore,...

6278445 Coordinate input device and method having first and second sampling devices...

A coordinate input device interpolates sampling data, using less input data and simpler computing. The input data (coordinate information indicative of an input trace) are sampled both with a predetermined cycle (T_n), and at the end of a predetermined interval after the sampling of the cycle...

6266051 Retrofittable apparatus for converting a substantially planar surface into an...

A graphic data-acquisition system which employs an active tracking system provides a retrofittable apparatus for converting a substantially planar surface into an electronic data capture device, in which the components of the system are readily retrofitted at a relatively low cost, to a wide...

6262718 Touch-sensitive display apparatus

A touch-sensitive display apparatus is disclosed, which includes a display screen. A display drive means is connected to the screen for generating an image on the display screen in response to an input video signal. A display processor is connected to the display drive means for...

6256021 Apparatus and method of configuring target areas within a touchable item of a...

An apparatus and method of configuring a target area within a touchable item provided on a touchscreen, the target area of the touchable item being defined in accordance with an angle of approach employed by a user of the touchscreen to select the item and a display location for the...

6239791 Touch sensor display

In a touch panel display, the touch panel (10) is inclined with respect to the (reflective) display (20) to prevent degradation of the image by spurious reflections.

6225986 Coordinate input apparatus and its control method

A coordinate input apparatus having a stable and good input sense irrespective of different input conditions such as a vibration position, a pen pressure and a pen angle. The coordinate input apparatus acquires an input coordinate in accordance with the input required for vibration input...

6211863 Method and software for enabling use of transcription system as a mouse

In a transcription system which includes a plurality of signal receivers for positioning adjacent a writing surface and for receiving a position signal transmitted from a stylus when the stylus is positioned adjacent the writing surface, the signal receivers produce timing signals in response...

6181328 Method and system for calibrating touch screen sensitivities according to...

A method and system in a data-processing system having a touch-sensitive display unit wherein touch-sensitive icons displayed on the touch-sensitive display unit may be calibrated according to physical characteristics associated with a particular user. To the touch-sensitive icons are displayed...

6141000 Projection display system with touch sensing on screen, computer assisted...

An interactive display system comprising a touch sensitive display surface for sensing pressure applied thereto and in response to the pressure generating control signals indicating locations of the applied pressure, a personal computer for receiving the control signals and response generating graph images,...

6137482 Position sensible liquid crystal display device

A position sensible liquid crystal display (PSLCD) device capable of automatically compensating for potential distribution distortion. A driving signal has a signal correcting part disposed between a switching part and the position sensing substrate for adjusting the driving signal to correct...

6130665 Touch screen handling

The present invention discloses a data input device including a touch screen. The touch screen has two information display areas...

first level displays a virtual alphanumeric keypad which allows a user to input textual data by simply touching the screen. The first level displays the input...

6111564 Coordinate input display apparatus and method for constructing the same

A coordinate input display apparatus includes an input pad, such as a digitizer, disposed over a display unit, such as an LCD, to provide an improved visual display, a distance between the digitizer and the LCD is minimized, as is the thickness of the assembly at the same time...

6104387 Transcription system

A system is provided for recording writing performed on a surface. The system includes a stylus having a housing and a writing element; two or more detectors which may be permanently or removably affixed to a writing surface; and a processing unit. The stylus and detectors are used in combination...

6100877 Method for calibrating a transcription system

In a transcription system including a plurality of signal receivers positioned adjacent a writing surface, a method for calibrating the transcription system by determining separation distances between the signal receivers comprising: using times of flight of signals from at least two...

6067079 Virtual pointing device for touchscreens

A method, memory, and apparatus, having at least a processor, memory, and touchscreen, for creating a virtual pointing device. The method includes the steps of displaying a non-activated virtual pointing device on the touchscreen, in response to detecting one finger placed on the virtual...

6028595 Touch-screen display

A touch-screen display which is able to prevent a displacement of a display position and a touch position. The touch-screen display includes a pointing pen for pointing to a position on the touch panel, and which may represent a position of an operator's eye. Moreover, the touch-screen display...

6023265 Touched state recognition apparatus for matrix type touch panel and a control...

A touched state recognition apparatus for a matrix type touch panel and a control method thereof which are capable of correctly recognizing a touched state of a touch switch even when two touch switches are concurrently touched. The touched state recognition apparatus for a matrix type touch...

6016140 Automatic touch screen calibration

A system and method for automatically recalibrating a resistive touch screen. The resistance of a resistive touch screen layer is subject to change over time, while the resistance of silver bus bars connecting the resistive touch screen layer to analog-to-digital converter (ADC) elements is not...

6014552 Low profile eject stylus

A low profile eject stylus (104) has an outer shell (402) and an inner shell (404). The inner shell is smaller than the outer shell. The inner shell can slide within the outer shell. The outer shell has a cross sectional configuration such that it is larger in one direction (A) than it is in another...

5940065 Algorithmic compensation system and method therefor for a touch sensor panel

A general method is described for producing an inexpensive touchscreen system that provides accurate positional information. The method compensates for manufacturing variations without complicated sensor arrangements. Utilizing a set of sensed signals that correspond to each location on the touchscreen...

5903252 Electronic whiteboard apparatus

In a multi-plane electronic whiteboard apparatus, a drawing sheet is extended on a main roller and driven rollers so as to be moved back and forth once by means of the intermediate driven roller. The main roller has a diameter larger than (at least not less than twice) the diameter of the driven rollers...

5897648 Apparatus and method for editing electronic documents

A system is disclosed for the editing of electronic documents wherein the hardcopy of an original document is scanned into a digital format to provide an electronic version of the document. The original document is then placed on an x-y digitizer with the position of the original document being...

5877751 Touch display type information input system

A reaction area in a display can be enlarged from one directly above a switch display in the operator's eyesight direction. Since the operator's position is determined from the driver's position or the like, and when the display is looked at to the right and left, for instance, the...

5874948 Virtual pointing device for touchscreens

A method, apparatus, and article of manufacture for directing a computer system, having at least a processor, memory, and touchscreen, to create a virtual pointing device on the touchscreen for executing commands. The method includes the step of detecting at least a first portion of a hand...

5867151 Coordinate input device and input display apparatus including the input device

On a transparent substrate of a coordinate input device are formed a plurality of first wirings formed on a light transmitting substrate to extend in parallel in a first direction, and a plurality of second wirings extending in a second direction perpendicular to the first direction. Each of the...

5859392 Method and apparatus for reducing noise in an electrostatic digitizing tablet

A method for reducing the effect of a noise impulse in a digitizing panel which includes a resistive layer is disclosed. The method includes the steps of generating a signal when an object is in proximity to the digitizing panel, amplifying the signal with an amplifier, and detecting the presence of the object.

5854449 High accuracy digitizer system

A high accuracy digitizer system for determining the position of a pointer relative to a tablet comprising a tablet having a grid thereon, a processor for determining the coarse position of the pointer relative to the tablet, and an error correction system for generating the true position of the pointer.

5818451 Computer programmed soft keyboard system, method and apparatus having user...

A computer in which entry of data from an area provided on a display, touch screen or the like is accomplished by the provision of a "soft keyboard". Misentry of data is avoided by providing for the adjustment of the input by raising the area of input by a fixed percentage of the size of the area.

Previous

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